Met Office

CHEMET Forecast

Pirbright Wildfire CHEMET 745_003

Issued by Met Office Environment Monitoring and Response Centre (EMARC)

Tel: 01392 447947 Email: emarc@metoffice.gov.uk Link to Hazard Manager

Plume forecast below 100m - map will be sent separately

Forecast Issued on Tuesday, 05 July 2022 at 23:13 local

To: Duty Officer	**Organisation:** Surry FRS
Tel: 01737499050	**Email:** sfrsmobilising.control@surreycc.gov.uk

Forecast for: Pirbright **Nature of Incident:** Wildfire

Incident ongoing since: 06/07/2022 01:00

Forecast valid between: 01:00 06/07/2022 *and* 13:00 06/07/2022

Surface wind direction/speed: *Blowing from WNW towards ESE at 3 BECMG 10 mph during the morning.*

Weather conditions and effect on plume: Light winds overnight mean plume likely to disperse slowly with variability in plume direction and grounding likely. Increasing winds will help lift the plume above the surface during daylight hours

If incident continues beyond the validity period, the following weather conditions will affect the plume

Little change with plume still blowing towards ESE.

Please call 01392 447947 to request further updates if this incident is likely to continue or to discuss further.

Additional Information for Science and Health Agencies

Precipitation (type and intensity): Nil

Total Cloud amount: 1-4 oktas

Height of lowest significant cloud: 4000 feet

Air temperature: 16 °C

Relative humidity: 70 %

Depth of mixing layer: 500 metres

Wind at top of mixing layer: Blowing from 300 to 120 degrees at 15 km/h

Air stability: E *(A=unstable, G=stable)*

Latitude and Longitude of source: 51.3104 N, 0.654 W

Sensible heat flux: 69 W/m^2

© Crown Copyright 2022. All Rights Reserved.